

METHOD FOR TRANSFERRING AND DISPLAYING
DATA PAGES ON A DATA NETWORK

Abstract of the Disclosure

5 The apparent speed of a connection between a
browser at a user station and a proxy or gateway on a
network such as the Internet is increased by providing
a local proxy at the user station which interacts with
a remote proxy. While the remote proxy is retrieving a
newly requested World Wide Web page, for example, from
10 the appropriate content provider, it may also be
sending to the local proxy a stale cached version of
that page. When the new version of the page is finally
retrieved, the remote proxy determines the differences
between the new version and the stale version, and,
15 assuming the differences do not exceed the new page in
size, sends the differences to the local proxy which
then reconstructs the new page from the differences and
the stale version. The local proxy delivers the new
page to the browser, which need not even be aware that
20 a local proxy exists; it is aware only that it received
the page it requested. Because computational speed and
power are frequently higher and cheaper than
transmission speed, the apparent speed of the
connection between the user station and the network has
25 been increased at modest cost.

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